M-DVD9900

1din mobile DVD Player

OWNER'S MANUAL

POWER

- Operating voltage : 12V $^{+20\%}_{-10\%}$ DC
  Low power consumption design.

COMPATIBILITY

This DVD player can play the following discs:
DVD, CD, VCD, DVCD, MP3, CD-R,CD-RW.

SYSTEM FUNCTIONS

- VIDEO OUTPUT SYSTEM
  System MULTI , NTSC or PAL switchable.

- 1 L/R Audio Output
  1 L/R Audio Input
  1 AUX Video Input
  1 Rear Camera Video Input
  3 Video Outputs with one dedicated self switching rear view monitor output

ADDITIONAL VIDEO FEATURES

Multi-angle, multi-view, multi-audio function
Multi-level forward and backward motion
Play position memory, Resume stop and repeat function

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SAFETY PRECAUTIONS

This digital versatile disc (DVD) video player uses 12V $^{+20\%}_{-10\%}$ DC.
For future reference, record the model and serial number
(located on the case of the DVD player) in the space provided.

CAUTION:
THIS DVD VIDEO PLAYER IS A CLASS I LASER PRODUCT.
USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.
AS THE LASER BEAM USED IN THIS DVD VIDEO PLAYER IS HARMFUL TO THE EYES,
DO NOT ATTEMPT TO DISASSEMBLE THE CABINET.
REFER SERVICING TO QUALIFIED PERSONNEL ONLY.

WARNING : class I laser product - Avoid Long Term viewing of Direct Laser Radiation.

WARNING OF DEW FORMATION

Dew may form on the pickup lens in the following conditions.
- Immediately after a heater has been turned on.
- In a steamy or very humid room.
When the unit is suddenly moved from a cold environment to a warm one.
If dew forms inside this unit, it may not operate properly.
In this case, turn on the power and wait about 2 or 3 hours for the dew to evaporate.

When the unit is used under low temperatures,
the pick up lens might warm up very fast and dew will form.
In this case, turn on the power and wait a while for the dew to evaporate.

Precautions

Warning **This symbol means important instructions.**
Failure to heed them can result in serious injury or death.

Do not disassemble or alter this unit. Doing so may result in an accident, fire or electric shock.

Keep small objects such as battery out of the reach of children. If swallowed, consult a physician immediately.

Use the correct ampere rating when replacing fuses. Failure to do so may result in fire or electric shock.

Use only in cars with a 12 VOLT negative ground.(Check with your dealer if you are not sure.) Failure to do so may result in fire, etc.

Do not operate any function that takes your attention away from safely driving your vehicle. Any function that requires your prolonged attention should only be performed after coming to a complete stop. Always stop the vehicle in a safe location before performing these function. Failure to do so may result in an accident.

Do not watch video while driving. Watching the video may distract the driver from looking ahead of the vehicle and cause an accident.

Keep the volume at a level where you can still hear outside noise while driving. Failure to do so may result in an accident.

Use this product for mobile 12V applications. Use for other than its designed application may result in fire, electric shock or other injury.

Do not place hands, fingers or foreign objects in insertion slots or gaps. Doing so may result in personal injury or damage to the product.

Do not block vents or radiator panels. Doing so may cause heat to build up inside and may result in fire.

Caution **This symbol means important instructions.**
Failure to heed them can result in injury or property damage.

Insert with the correct battery polarity. When inserting the battery, be sure to observe proper polarity(+ and-)as instructed. Rupture of the battery may cause fire or personal injury.

Halt use immediately if a problem appears. Failure to do so may cause personal injury or damage to the product. Consult a professional mobile video installer.

Temperature

Be sure the temperature inside the vehicle is between +55° C(+131° F) and -5°C(+23°F) before turning your unit on.

Moisture condensation

You may notice the CD playback sound wavering due to condensation. If this happens remove the disc from the player and wait an hour for the moisture to evaporate.

Damaged disc

Do not attempt to play cracked, warped, or damaged discs. Playing a bad disc could severely damage the playback mechanism.

Maintenance

If you have problems, do not attempt to repair the unit yourself. Consult a professional mobile video installer.

Never attempt the following

Do not grip or pull out the disc while it is being pulled back into the player by the automatic reloading mechanism.
Do not attempt to insert a disc into the unit when the unit power is off.

Inserting discs

Your player accepts only one disc at a time for playback. Do not attempt to load more than one disc.
Make sure the label side is facing up when you insert the disc.
Playing a disc while driving on a very bumpy road may result in skips.

Irregular shaped discs

Make sure the discs you use in this unit do not have any irregularities. The outer and inner edges should be round and smooth. Use of irregularly shaped discs may cause damage to the mechanism.

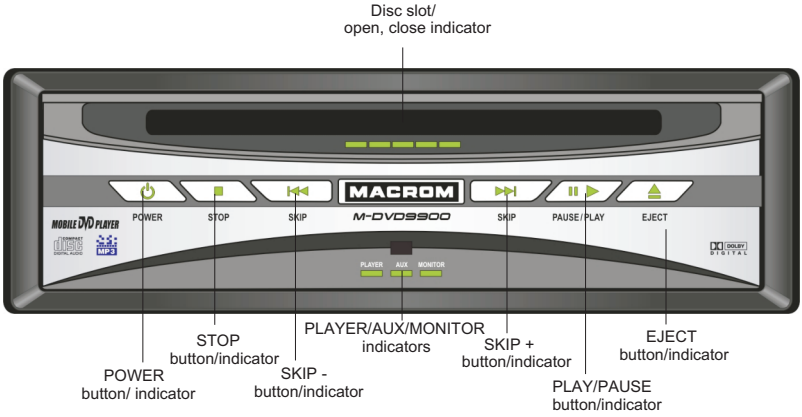
Installation location

Make sure the unit will not be installed in a location subjected to:

- Direct sun and heat
- High humidity and water
- Excessive dust
- Excessive vibrations

See the page in ➡ for the details.

Front panel



The button	
POWER	Power on/off bypressing this button 10
EJECT	To eject a disc 9
► II	Play/Pause 11
■	To stop playback 12
⏮ ⏭	To locate previous/next chapter or track 12

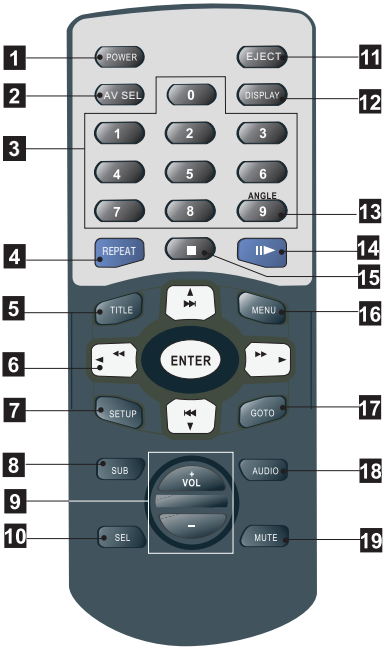
Resetting the unit

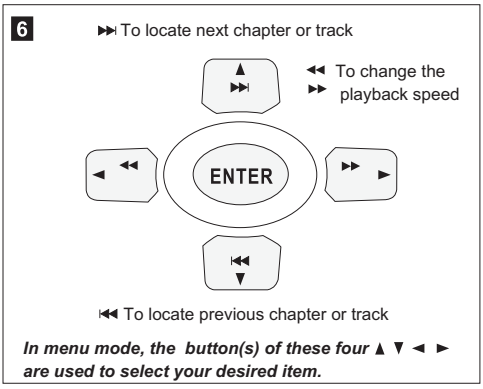
Press the RESET button with a pointed object, such as a ballpoint pen, as shown.

Unit will turn off momentary after the RESET button is pressed.

Note: Pressing the RESET button will erase some stored contents.

Remote Control




6
To locate next chapter or track
To change the playback speed
ENTER
To locate previous chapter or track
In menu mode, the button(s) of these four ▲ ▼ ◄ ► are used to select your desired item.

1 POWER on/off button

2 AV SEL button
To select External/Internal Video

3 Number button
Used to input numbers

4 REPEAT button
to play repeatedly

5 TITLE button
to locate a specific title chapter or track

6 Joy stick

7 SETUP button
to change the default settings

8 SUB button to select subtitle

9 VOL +/- button
to control the volume

10 SEL button
to select the audio functions

11 EJECT button to eject the disc

12 DISPLAY button to display the disc status

13 ANGLE button to select the camera angle

14 ⏯ Button Playing/Pausing

15 ■ Button to stop playback

16 MENU Button
to locate a specific title chapter or track

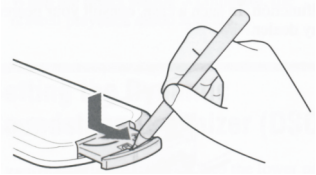
17 Goto Button to Locate a location by entering its corresponding track number, chapter number or time

18 AUDIO Button
to switch the audio language

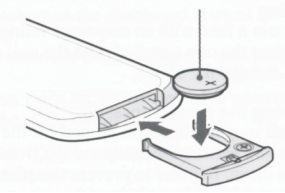
19 MUTE Button
playing with no sound

Preparing the remote control

Insert battery (3V, CR2025) into the remote control.
Make sure the + side of the battery faces up before closing the cover.



1) Open the cover, pull the cover as illustrated

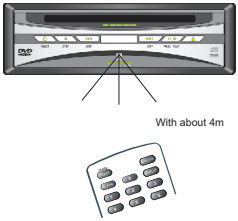


2)Insert cell (3V),Close the cover

Operating with the remote control

This section shows you how to use the remote control. Point the remote control at the remote sensor and press the buttons.

The remote range: about 4m from the front of the remote sensor.
(Is) off axis: more than 30° in each direction of the front of the remote sensor.



Do not expose the remote sensor of the DVD player and the remote control to a strong light source such as direct sunlight or other illumination. If you do so, you may not be able to operate the DVD player via the remote control.

Notes on battery

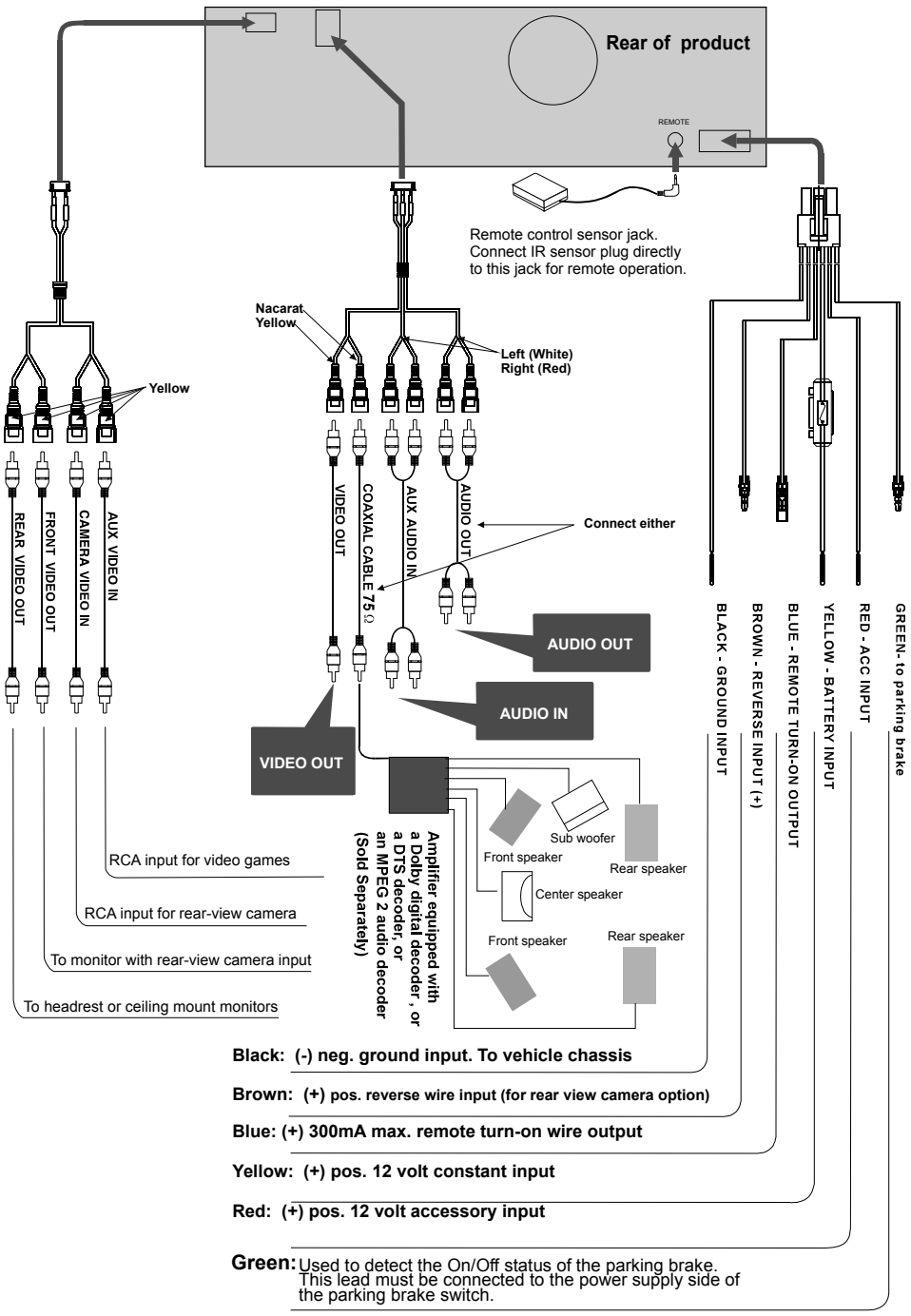
To operate the remote control correctly, follow the instructions below.

Do not insert cell into the remote control in the wrong direction.
Do not charge, heat, open, or short-circuit the cell. Do not throw cell into a fire.
If the remote control does not function correctly or if the operating range becomes reduced, replace the cell with new one.

Notes on the remote control

Direct the remote control at the remote sensor of the DVD player.
Do not drop or give the remote control a shock.
Do not leave the remote control near an extremely hot or humid place.
Do not spill water or put anything wet on the remote control.
Do not disassemble the remote control.

Connections


Rear of product
REMOTE
Remote control sensor jack.
Connect IR sensor plug directly
to this jack for remote operation.
Nacarat
Yellow
Left (White)
Right (Red)
Yellow
REAR VIDEO OUT
FRONT VIDEO OUT
CAMERA VIDEO IN
AUX VIDEO IN
VIDEO OUT
COAXIAL CABLE 75 Ω
AUX AUDIO IN
AUDIO OUT
Connect either
AUDIO OUT
AUDIO IN
VIDEO OUT
RCA input for video games
RCA input for rear-view camera
To monitor with rear-view camera input
To headrest or ceiling mount monitors
Amplifier equipped with
a Dolby digital decoder , or
a DTS decoder, or
an MPEG 2 audio decoder
(Sold Separately)
Sub woofer
Front speaker
Rear speaker
Center speaker
Front speaker
Rear speaker
BLACK - GROUND INPUT
BROWN - REVERSE INPUT (+)
BLUE - REMOTE TURN-ON OUTPUT
YELLOW - BATTERY INPUT
RED - ACC INPUT
GREEN- to parking brake
Black: (-) neg. ground input. To vehicle chassis
Brown: (+) pos. reverse wire input (for rear view camera option)
Blue: (+) 300mA max. remote turn-on wire output
Yellow: (+) pos. 12 volt constant input
Red: (+) pos. 12 volt accessory input
Green: Used to detect the On/Off status of the parking brake.
This lead must be connected to the power supply side of
the parking brake switch.

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1 NOTE

Connect	Audio out(audio related, see page 19)	
Coaxial cable	SPDIF/RAW	RAW DATA VIA SPDIF
	SPDIF/PCM	PCM DATA VIA SPDIF
Audio cable	ANALOG	ANALOG OUTPUT

2 NOTE

1 Refer to the owner's manual for " the connected monitor " as well.
2 Refer to the owner's manual of the connected equipment for additional information.
3 When you connect the DVD player to other equipment, be sure to turn off the power .
4 If you place the DVD near a tuner or radio, the radio broadcast sound might be distorted.
In this case, place the DVD player away from any other tuner or radio.
5 The output sound of the DVD player has a wide dynamic range. Be sure to adjust the receiver's volume to a moderate listening level. Otherwise, the speakers may be damaged by a sudden high output.
6 Turn off the amplifier before you connect or disconnect the DVD player's power leads.
If you leave the amplifier power on, the speakers may be damaged.

3 NOTE

1. We advise to connect the EX-VIDEO-CON lead.
And so the front display only will be on while detecting the parking brake ON.
Or if the EX-MONITOR-CON and MONITOR VIDEO IN are used,
the front display will be on while backing the car.
2. This product's REAR VIDEO OUT and VIDEO OUT are for connections of displays to enable passengers in the rear seats to watch the DVD or Video CD.

⚠ Warning

NEVER install the display in a location that enables the Driver to watch the DVD or Video CD while driving.

This product detects whether your car's parking brake is engaged or not, and prevents you from watching a DVD or Video CD on the display connected to Front Video Out while driving.

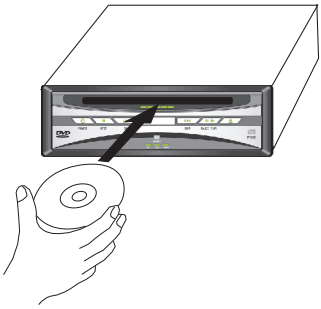
Example: When you attempt to watch a DVD, the screen is black. When you park your car in a safe place and apply the parking brake, the picture appears on the screen.

Loading and unloading a disc

Turn on the power before loading and unloading discs.

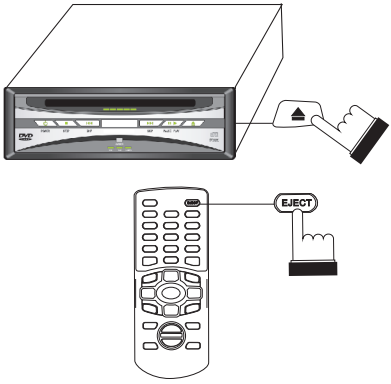
1 **Insert the disc with the side containing words diagrams facing upwards.**

Once the disc is partially inserted, it is drawn in automatically. Playback starts.



2 **Unloading disc**

Press EJECT ⏏ button, the disc is automatically ejected.



Notes:
If wrong disc, upside-down discs or dirty discs have been inserted, “NO DISC ” is displayed. Remove the disc.
Do not put any objects other than discs into the disc slot, doing so may cause the player to malfunction.

Tips

DVD VCD CD MP3 **These indicate the discs for which the function can be used.**

DVD :You can use this function with DVD discs.

VCD :You can use this function with VIDEO CDs.

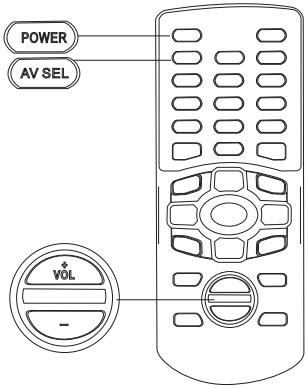
MP3 :You can use this function with MP3 discs .

CD :You can use this function with CDs .

About this owner's manual

This owner's manual explains the basic instructions of this DVD player. Some DVD discs are produced in a manner that allows specific or limited operation during playback. As such, the DVD player may not respond to all operating commands. This is not a defect in the DVD player. Refer to the instruction notes of discs.
" ✋ "may appear on the screen during operation.

A " ✋ " means that the operation is not permitted by the DVD player or the disc.



1 Turning the power on and off

Press ⏻ POWER button
The power turns on.

To turn the power off, Press ⏻ POWER button again.

Play Position Memory Function

- Even if you turn power off or switch the ignition Key to OFF during playback or change the video source, playback will continue from the point where playback stopped when the power is turned ON again.
  The play position memory is released if the disc is removed or the Reset switch is pressed.

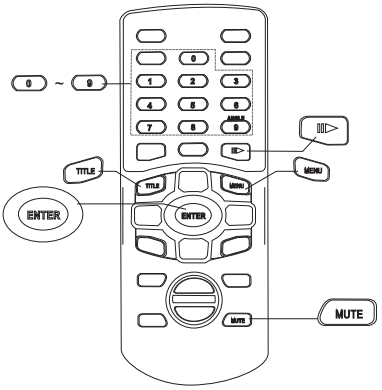
2 Switching between DVD and AUX Video Input

To switch between DVD and AUX Video input, press the AV SEL on the remote control.

Connect		AV SEL
Using AUDIO and VIDEO OUT, connect the monitor or audio system		**INTERNAL VIDEO**
	Using AUDIO and VIDEO IN, connect the DVD video player to a VTR, TV/VTR combination or video selector	**AUX Video Input**

3 Adjusting the volume

Press the + button to increase the volume.
Press the - button to decrease the volume.



1 Playing a disc

DVD VCD CD MP3

Caution

With some DVDs, certain operations are disabled. Such operations are not possible on such DVDs. The DVD functions described in this manual are not supported by all instructions for details on the features supported.
Fingerprints on a disc may adversely affect playback. If a problem occurs, remove the disc and check for fingerprints on the playback side. Clean the disc if necessary.
When using the remote control, be careful to pressing multiple buttons at the same time may cause erroneous operation.

① Press ► button.

Playback starts.

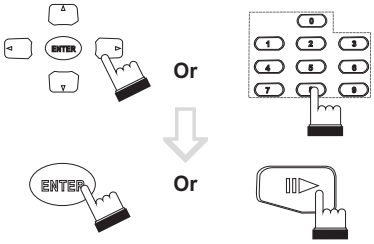
If a menu screen appears DVD VCD MP3

On DVDs and video CDs with playback control (PBC), menu screen may appear automatically. If this happens, perform the operation described below to start playback.

Note: For many discs, the menu screen can also be displayed by pressing MENU or TITLE.

DVD menu

Use the Joystick or the number keys(0~9) to select the desired item, then press ENTER or ►



Note: For some discs it is not possible to select items for the menu to menu screen using the number buttons (0~9).

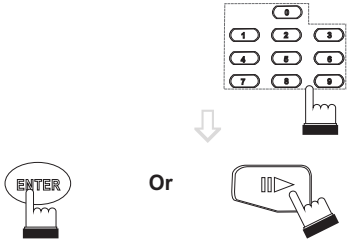
Tips DVD VCD CD MP3

Using the Number keys

This describes use of the Number keys.
To input 16: Press the 1 button and then press the 6 key.
To input 28: Press the 2 key and then press the 8 key.
To input 108: Press the 1 key and then press the 0 and 8 button.
After the number input, press ENTER or PLAY button to start the playback.

VCD menu

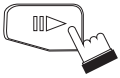
Use the number keys(0~9) to select the desired item, then press ENTER or ►



Note: The menu screen does not appear when the PBC function is turned off. If this is the case press MENU to turn on the PBC function.

In PBC off mode, you can use the number keys to input the desired track also.

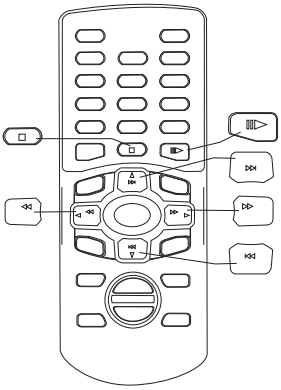
② Playing/pausing



During playback press II► to pause playback. Press II► again to resume playback.

③ Tuning the sound on and off

During playback press MUTE , no sound is played. Press Mute to resume normal playback with sound.



1 Stopping playback

DVD VCD CD MP3

Press the stop button during playback to stop playback.

Press ■ during playback.

Tips

• Using the PRE-STOP function(DVD only.)

When the PRE-STOP function is used, the position at which playback is stopped is stored in the memory, and playback resumes from that position.

① **Press ■ once during playback.**

PRESS PLAY TO CONTINUE is displayed.

② **Press ► in the PRE-STOP mode.**

Playback starts from the position at which it was stopped.

• To cancel the PRE-STOP function

Either press ■ again in the PRE-STOP mode, eject the disc or turn the power to clear the memory. Playback will start at the beginning of the disc.

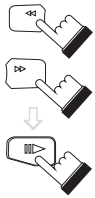
Notes:
- For some discs, the position at which playback was stopped may not be accurate.
- For Video CD:
  Press ■ during playback,
  1 in PBC off mode, playback stops. Press PLAY, playback will start at the beginning of the disc.
  2 in PBC on mode, playback stops and press PLAY then it will be back to main page.

2 Fast-forwarding/ fast-reversing

DVD VCD CD MP3

①During playback press ◄◄ (fast-reverse) or ►► (fast-forward)

Each time you press the ◄◄ or ►► button, the playback speed changes to X1, X2, X3 , X4 the normal speed or normal speed.



②Press ►to return to normal playback.

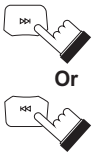
Notes:
No sound or subtitles are played during fast-forwarding/fast-reversing of DVDs or Video CDs.
However, sound is played during fast-forwarding/fast-reversing of audio CDs.

3 Finding the beginning of chapters or tracks

DVD VCD CD MP3

①During playback press ⏮ or ⏭

The chapter/track switches each time the button is pressed, and playback of the selected chapter/track starts.



Or

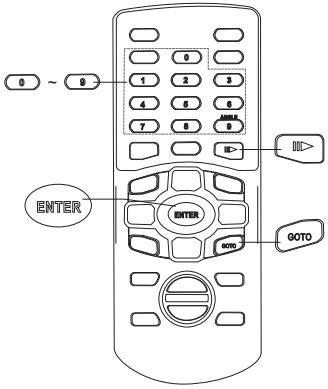
⏭:Press this to start playback from the beginning of the next chapter or track.

⏮:Press this to start playback from the beginning of the previous chapter or track.

Note: Some DVDs do not have chapters.

Supplementary explanation

Chapters are divisions of movies or musical selections on DVDs.
Tracks are divisions of movies or musical selections on video and audio CDs.



DVD VCD CD

1 Playing from the desired location

Locating a specific location by entering the track number, the chapter number or the time.

①During playback, press GOTO.

DVD

TITLE 01/02 CHAPTER 012/057

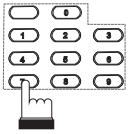
Press GOTO again

TITLE 01/02 TIME_ _:_ _:_ _

VCD CD VCD(PBC OFF)

GOTO _ _:_ _

② Input the chapter, the title or the time from which you want to start playback using the joystick and the number keys(0~9).



TITLE 02/02 CHAPTER 012/057

TOTAL TITLE NUMBER
CURRENT TITLE
TOTAL CHAPTER NUMBER
CURRENT CHAPTER

(When title 2 is input)

TITLE 02/02 CHAPTER 012/057

(When chapter 12 is input)

TITLE 01/02 TIME 01:30:00

(When 1 hour, 30 minutes is input as the elapsed time)

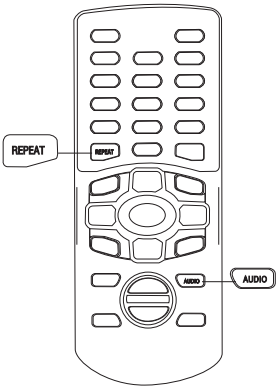
GOTO 30:00

(When 30 minutes is input as the elapsed time)

Notes:
- Input the hours first, followed by the minutes, then the seconds.
- Press GOTO to cancel the search mode and resume normal playback.
- Some discs may not respond to this process.
- Some scenes may not be located precisely as you specified.
- This method for accessing specific locations is available only within the current title of the DVD video disc or within the current track of the VIDEO CD/audio CD.

③Press ENTER

Playback starts from the selected chapter, track or the time.

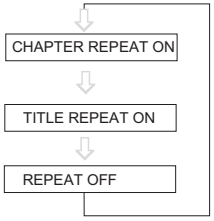


1 Chapter/track/title repeat playback

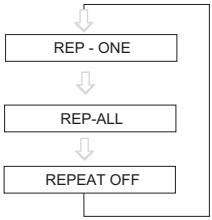
①During playback , Press REPEAT

The repeat mode switches each time the button is pressed.

DVD



VCD CD VCD(PBC OFF)



2 Switching the audio language

DVD VCD

On DVDs including multiple audio modes or multiple audio languages, the audio language can be switched during playback.

①During playback, press AUDIO.

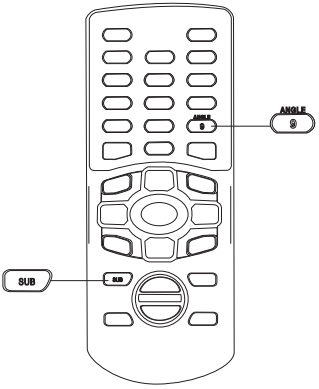
The sound switches between the different audio modes recorded on the disc each time the button is pressed.

Notes:
- The language selected with the default setting is set when the power is turned on or the disc is replaced. If the disc does not include that language, the disc's default language is set.
- For some discs it is not possible to switch the audio language during playback.
- Some time may be required for the audio language to change.

Video CDs with multiplex audio

①During playback, press AUDIO.

The combination of the left and right channels changes each time the button is pressed.



1 Switching the angle DVD

With DVDs on which images photographed from multiple angles are recorded, the angle can be switched during playback.

①During playback, press ANGLE.

The angle switches between the angles recorded on the disc each time the button is pressed.

Note:
- Some time may be required for the angle to change.

2 Switching the subtitles DVD

With DVDs on which multiple subtitle languages are recorded, the subtitle language can be switched during playback.

①During playback, press SUB.

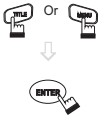
The subtitle language switches between the languages recorded and you also can select whether to display the subtitles on the disc each time the button is pressed.

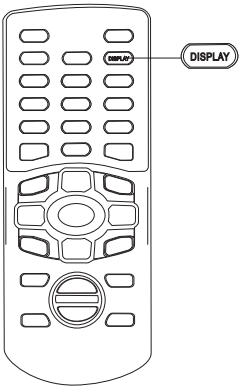
Note:
- Some time may be required for the subtitle to change.
- The language selected with the default setting is replaced. If the disc does not include that language, the disc's default language is set.
- For some discs, the subtitles will be displayed even when this is set to off.

Tips

Switching from the menu
For some discs, the audio language, angle and subtitle can be switched from the disc menu.

Press MENU or TITLE, select the item, then press ENTER.





1 Displaying the disc status DVD

Use the procedure described below to display the status(title number, chapter number, etc.) of the currently playing DVD on the screen.

①During playback, press DISPLAY.

The playback status switches each time the button is pressed.

TITLE 01/01 CHAPTER 001/057
xx:xx:xx

⇩

TITLE REMAIN
xx:xx:xx

⇩

CHAPTER ELAPSED
xx:xx:xx

⇩

CHAPTER REMAIN
xx:xx:xx

⇩

the display turns off.

2 Displaying the disc status VCD CD

Use the procedure described below to display the status(track number, etc.)of the currently playing Video CD or Audio CD on the screen.

①During playback, press DISPLAY.

The playback status switches each time the button is pressed.

TOTAL ELAPSED
xx:xx:xx PLAY:11 TOTAL:22

⇩

TOTAL REMAIN
xx:xx:xx PLAY:11 TOTAL:22

⇩

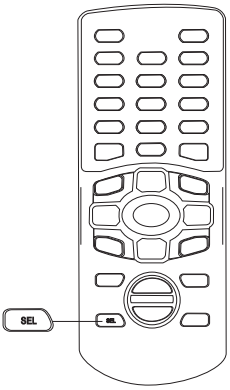
SINGLE ELAPSED

⇩

SINGLE REMAIN

⇩

OFF



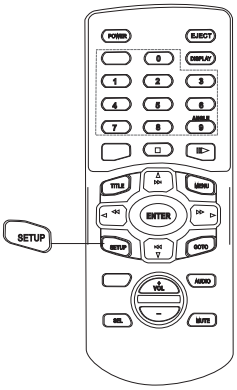
1 Adjusting the sound setting

DVD VCD CD MP3

The sound settings can be changed to suit your personal preferences and usage.

- **To select the audio functions as you like:**

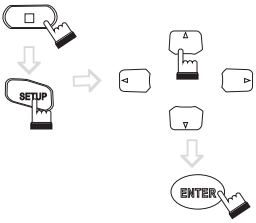
To	Press SEL button on the remote repeatedly until the item you want to adjust appears on the screen	Press the VOL +,- button adjust the setting as you like
Balance	BALANCE : L00	The level changes from L08~L00 and L00~R08
Bass	BASS : -00	The level changes from -07~+07
Treble	TREBLE : -00	The level changes from -07~+07
Loudness	LOUDNESS ON	ON or OFF
Volume	VOLUME 18	The level changes from 00~36



1 Changing the default settings(setup)

DVD VCD CD MP3

Press SETUP during stop.
The setting menu appears.
Press joystick button to move the cursor to the item, then press ENTER to select the item you want.



SETUP MENU MAIN PAGE

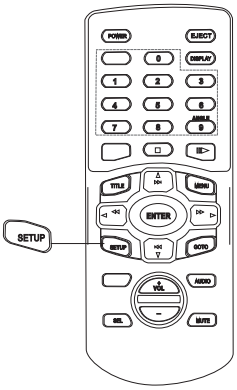
GENERAL SETUP
SPEAKER SETUP
AUDIO SETUP
PREFERENCES

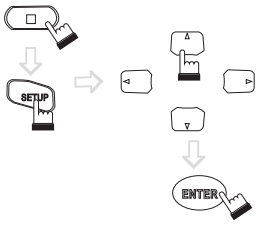
EXIT SETUP

① GENERAL SETUP

TV DISPLAY	NORMAL/PS NORMAL/LB WIDE
PIC MODE	AUTO HI-RES N-FLICKER
ANGLE MARK	ON OFF
EXT AMP	ON OFF
OSD LANG	ENGLISH
SCR SAVER	ON OFF

TV DISPLAY	SET TV DISPLAY MODE
NORMAL/PS	NORMAL TV PAN SCAN
NORMAL/LB	NORMAL TV LETTER BOX
WIDE	WIDE SCREEN TV
PIC MODE	SET PICTURE MODE
AUTO	AUTO MODE
HI-RES	HIGH-RESOLUTION MODE
N-FLICKER	NONFLICKER MODE
ANGLE MARK	ANGLE ON/OFF
EXT AMP	TURN EXT AMP ON/OFF
OSD LANG	SET OSD LANGUAGE
SCR SAVER	SCREEN SAVER





SETUP MENU MAIN PAGE

GENERAL SETUP
SPEAKER SETUP
AUDIO SETUP
PREFERENCES

EXIT SETUP

② SPEAKER SETUP

DOWNMIX → LT/RT STEREO

DOWNMIX LOUD SPEAKERS SETUP

LT/RT SET LT/RT DOWNMIX

STEREO SET STEREO DOWNMIX

③ AUDIO SETUP

AUDIO OUT → ANALOG / SPDIF/RAW / SPDIF/PCM

OP MODE → LINE OUT / RF REMOD

DUAL MONO → STEREO / L-MONO / R-MONO / MIX-MONO

DYNAMIC → FULL / 6/8 / 4/8 / 2/8 / OFF

PRO LOGIC → OFF / ON / AUTO

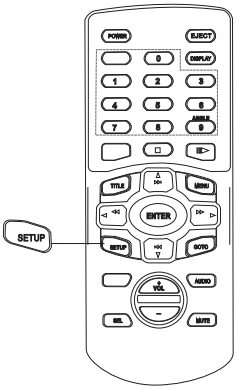
LPCM OUTPUT → LPCM 48K / LPCM 96K

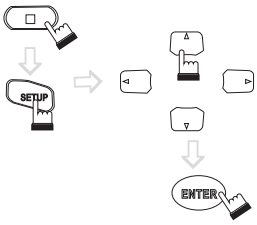
AUDIO OUT AUDIO RELATED

ANALOG ANALOG OUTPUT

SPDIF/RAW RAW DATA VIA SPDIF

SPDIF/PCM PCM DATA VIA SPDIF



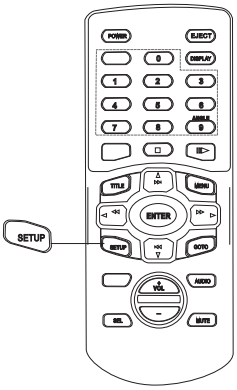


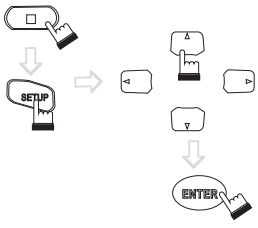
SETUP MENU MAIN PAGE

GENERAL SETUP
SPEAKER SETUP
AUDIO SETUP
PREFERENCES

EXIT SETUP

OP MODE	OPERATIONAL MODE SETUP	LINE OUT	LINE OUT MODE
		RF REMOD	TV WITH NO AV INPUT
DUAL MONO	DUAL MONO(1+1) SETUP	STEREO	SET STEREO MODE
		L-MONO	SET LEFT MONO MODE
		R-MONO	SET RIGHT MONO MODE
		MIX-MONO	SET MIXED MONO MODE
DYNAMIC	DYNAMIC RANGE COMPRESSION	FULL	FULL DYNAMIC RNG COMPRESSION
		- -	DYNAMIC RNG COMPRESSION 7/8
		6/8	DYNAMIC RNG COMPRESSION 3/4
		- -	DYNAMIC RNG COMPRESSION 5/8
		4/8	DYNAMIC RNG COMPRESSION 2/4
		- -	DYNAMIC RNG COMPRESSION 3/8
		2/8	DYNAMIC RNG COMPRESSION 1/4
		- -	DYNAMIC RNG COMPRESSION 1/8
		OFF	DYNAMIC RNG COMPRESSION OFF
PRO LOGIC	SET PRO LOGIC ON/OFF	OFF	PRO LOGIC OFF
		ON	PRO LOGIC ON
		AUTO	PRO LOGIC AUTO
LPCM OUTPUT	SET LPCM TO 48K OR 96K	LPCM 48K	LPCM OUTPUT 48K
		LPCM 96K	LPCM OUTPUT 96K



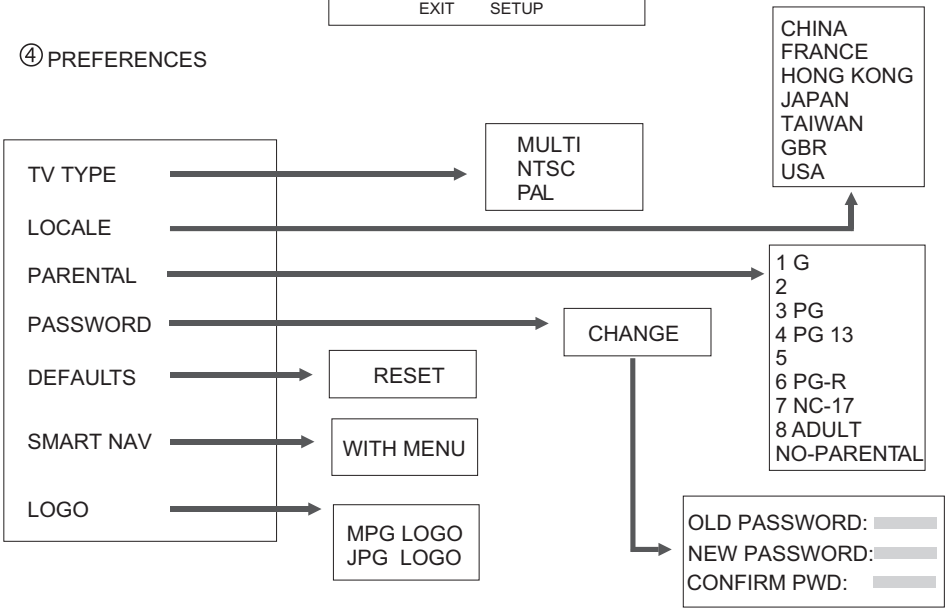


SETUP MENU MAIN PAGE

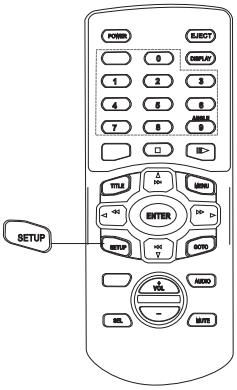
GENERAL SETUP
SPEAKER SETUP
AUDIO SETUP
PREFERENCES

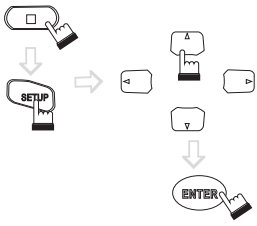
EXIT SETUP

④ PREFERENCES



TV TYPE	SET TV STANDARD	MULTI	MULTISYNC TV
		NTSC	NTSC TV
		PAL	PAL TV
LOCALE	PREFERRED LOCALITY CODE	GRB	UNITED KINGDOM





SETUP MENU MAIN PAGE

GENERAL SETUP
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AUDIO SETUP
PREFERENCES

EXIT SETUP

PARENTAL — SET PARENTAL CONTROL

1 G
2
3 PG
4 PG 13
5
6 PG-R
7 NC-17
8 ADULT
NO-PARENTAL

SET TO G, LEVEL 2, PG, PG13, LEVEL 5, PG-R, NC-17,ADULT, OR NO-PARENTAL

PASSWORD — CHANGE

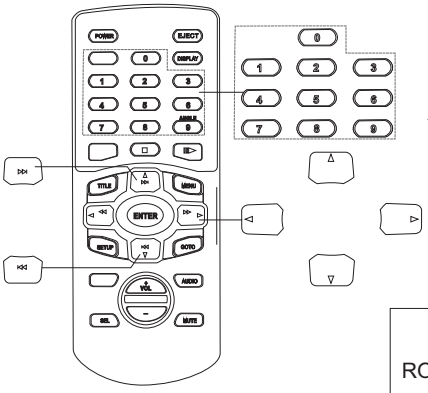
OLD PASSWORD:
NEW PASSWORD:
CONFIRM PWD:

NOTE: Factory default password is 3308.

DEFAULTS — RESET — LOAD FACTORY SETTINGS

SMART NAV — SMART NAV TYPE — WITH MENU — PLAYING MP3 WITH MENU

LOGO — OPEN SCREEN LOGO — MPG LOGO / JPG LOGO



1 MP3 instruction

MP3

Insert the MP3 disc then playback starts, the MENU of elapsed track appears.

	SMART	NAV 1	
ROOT	MP3	J&Z	1
	MP3	xxx	2
	MP3	xxx	3
	Mp3	xxx	4
	MP3	xxx	5
PLAY MODE	REP-ONE		

PRESS	
⏮ ⏭	**To play the preceding or the next track**
◀ ▶	**In play mode, it starts to fast-forward or fast-revers**
Number button	**To select the track with the number button** Note: For some discs it is not possible to select items for the menu to menu screen using the number buttons (0~9).
PLAY MODE	**In stop mode, move cursor to PLAY MODE with joy stick ◀ ▶ , pressing joy stick ▲ ▼ to change PLAY MODE: SINGLE, REP-ONE, FOLDER, FOLDER REP, DISC SCAN, DISC, DISC REP, RANDOM, SHUFFLE ON , PROGRAM P0. Select the desired play mode, then move the cursor back to the track menu and you desired track with ◀ ▶ ▼ ▲ , finally press PLAY to start playback again.**
DISPLAY	**STATUS DISPLAYED: CHAPTER ELAPSED XX:XX:XX** **CHAPTER REMAIN XX:XX:XX**

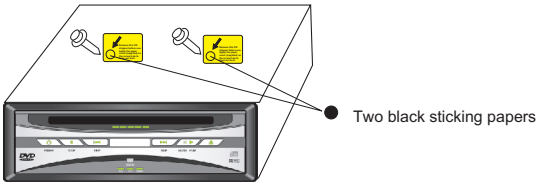
Playing MP3 disc, the play position memory is not available.

In case of difficulty

If operation freezes, the screen goes black or the unit should otherwise not function properly, try turning the power off then back on. Alternatively, try the following methods in the order listed until the unit returns to normal playback mode.
1) Turn the car's ignition OFF and back ON again.
2) Press the RESET button on the face of the unit
This guide will help you isolate the problem if the unit is at fault. Otherwise, make sure the rest of your system is properly connected or consult a professional mobile video installer.

Symptom	Cause	Remedy
Unit does not operate.	Fuse is blown.	Replace with a fuse of the specified capacity.
	Monitor's power is not turn on.	Turn on the monitor's power
	Condensation	Wait a while(about 1 hour) for the condensation to dry.
Operation is unstable.	Remote control unit's battery is worn.	Replace the remote control unit's battery with new one.
	Remote control sensor or transmitter is dirty.	Clean the sensor or transmitter.
No picture is produced.	Monitor's mode is not switched to the mode you want to see.	Switch to the mode you want to see.
Playback does not start.	Disc is loaded upside-down.	Check the disc and load it with the labeled side facing upward.
	Disc is dirty.	Clean the disc.
	A disc not able to playback with this unit is loaded.	Check if the disc is able to be played back.
	Parental lock is set.	Cancel the parental lock or change the rating level.
Picture is unclear or noisy	Disc is being fast-forwarded or fast-reversed.	The picture may be slightly disturbed, but this is normal.
	Vehicle's battery power is weak.	Check the battery power and wiring. The unit may malfunction if the battery power is under 10.8 volts with a load applied.
	Monitor's fluorescent tube is worn.	Replace the monitor's fluorescent tube.
Image stops sometimes.	Disc is scratched.	Replaced with a non-scratched disc.
No disc	No disc is loaded.	Load a disc.
	Disc is dirty.	Clean the disc.
Not valid	Remote control operation is not possible.	For some discs or playing modes, certain operations are not possible. This not a malfunction.
VIDEO SIGNAL SYSTEM IS NOT CORRECT	PAL(or NTSC) disc is loaded.	Change the TV TYPE of the unit(see SET UP).
No sound	Select the wrong Audio Out	According to the connection, set ANALOG for using audio cable, set SPDIF/RAM/PCM for using coaxial cable. See page 7,8 and 19.

Note

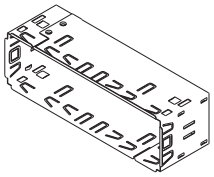


There are 2 mounting screws on the case of the DVD player(as above figure shows) to protect the unit during shipping.
You need to remove the sticking papers and screws after unpacking this product.
Apply the black sticking papers(supplied)on the screw holes to keep out dust.

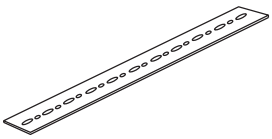
Specifications

Audio	Audio output(analog):	2±0.2V 100kΩ
	Audio output(coaxial):	0.5V 75Ω
	Signal-to-noise ratio:	more than 90dB
	Dynamic range:	more than 85dB
	Distortion:	less than 0.08%
Video	Video output:	1±0.2V
	Resolution:	more than 500 line
Power	Power requirement:	12 $^{+20\%}_{-10\%}$ V DC , 1.5A
	Power consumption:	less than 20W
General	Dimensions(approx.):	178x50x183mm (w/h/d) incl. Projecting parts
	Weight:	1.4Kg
	Normal operating temperature range: 23°F to131°F	

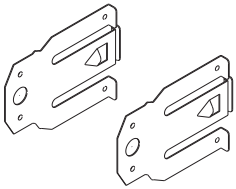
- Design and specifications are subject to change without notice.
- The illustrations in this manual may appear different from the actual product due to printing conditions.



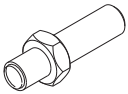
Mounting Bracket (Half Sleeve) X 1



Rear Strap (Brace) X 1



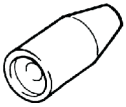
Side bracket X 2



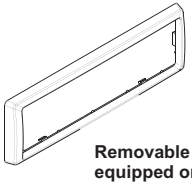
Mounting Screw M5 X 1

Hex bolt M5 x 14 X 2

Flat head screw M5 x 4 X 2



Mounting Grommet X 1



Removable Trim Ring equipped on the unit X 1

Remote control x 1

Lithium Button Cell (3V) x 1

IR sensor x1

MACROM SA. LUXEMBOURG, MENDRISO BRANCH
3 MOREE ST., CH 6850 MENDRISIO
SWITZERLAND